

CLEAN RICE

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Abstract of JP11113509

PROBLEM TO BE SOLVED: To sufficiently remove rice bran or the like from rice grains while hardly changing the moisture content in milled rice grains and obtain the rice without requiring washing at the time of cooking by adsorbing the rice bran and other foulings with a pasty material of gelatin and water and polishing the rice grains with a solid fine granular material.

SOLUTION: This clean rice is obtained by injecting a thermally dissolved liquid of gelatin and water from a paste tank 2 into a stirring and polishing tank 4, successively feeding milled rice in a milled rice storage tank 1 into the stirring and polishing tank 4, stirring the thermally dissolved liquid and the milled rice, adsorbing rice bran and other foulings sticking to the milled rice skin with the thermally dissolved liquid of the gelatin and water, successively mixing a polishing material formed by heating milled rice immersed in an aqueous solution of starch or an adequate amount of water, pregelatinizing the milled rice, drying the pregelatinized rice and pulverizing the resultant solid into a fine granular form from a polishing material storage tank 3' thereinto, stirring the mixture, feeding the milled rice in a stage of converting the milled rice into the clean rice to a separating tank 5, storing the milled rice in a storage tank 7 and feeding the residual materials to an accumulating tank 6 for the polishing material containing the sticking paste.

